

Appl. No. 09/642,747
Suppl. Response and Amendment dated July 14, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings in the application:

Listing of Claims:

Claims 1-10 (cancelled)

Claim 11 (currently amended) ~~The mutant second protein kinase according to claim 23,~~
~~wherein said first and said second protein kinases are mitogen activating protein (MAP)~~
~~kinases.~~

An isolated or purified mutant of a naturally-occurring mitogen activating protein (MAP)
kinase, said mutant being selected from:

(a) a mutant extracellular-signal regulated kinase 2 (ERK2)

comprising the amino acid sequence of SEQ ID NO:2, wherein amino acid 105 is
threonine or alanine; or

(b) a mutant Jun-N-terminal kinase 3 (JNK3) comprising amino acids

40-402 of SEQ ID NO:3, wherein amino acid 146 is threonine or alanine.

Claim 12 (cancelled)

Claim 13 (currently amended) The mutant ERK2 according to claim 11, wherein amino
acid 103 is leucine, amino acid 106 is histidine, amino acid 109 is glycine and amino acid
110 is alanine.

Claims 14-23 (cancelled)